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NEWS 11	JUL 21	USGENE adds bibliographic and sequence information
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=> s (rough eye) (8A) (drosophila or fly or flies)
L1          140 (ROUGH EYE) (8A) (DROSOPHILA OR FLY OR FLIES)

=> s (rough eye) (8A) (signal transduction or pathway or signaling or signal or
cascade or messenger)
L2            4 (ROUGH EYE) (8A) (SIGNAL TRANSDUCTION OR PATHWAY OR SIGNALING
                OR SIGNAL OR CASCADE OR MESSENGER)

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or unconnected or individual or split or epigenetic)
L3            0 L2 (P) (INDEPENDENT OR SEPARATE OR DIFFERENT OR DISTINCT OR
                DISCRETE DIVERGENT OR UNCONNECTED OR INDIVIDUAL OR SPLIT OR EPIG
                ENETIC)

=> d l2 1-4 bib ab

L2   ANSWER 1 OF 4     MEDLINE on STN
AN   2001069167     MEDLINE
DN   PubMed ID: 11063696
TI   A misexpression screen identifies genes that can modulate RAS1 pathway
     signaling in Drosophila melanogaster.
AU   Huang A M; Rubin G M
CS   Department of Molecular and Cell Biology, University of California,
     Berkeley, California 94720-3200, USA.
NC   HG00750 (United States NHGRI NIH HHS)
SO   Genetics, (2000 Nov) Vol. 156, No. 3, pp. 1219-30.
     Journal code: 0374636. ISSN: 0016-6731.
     Report No.: NLM-PMC1461302.
CY   United States
DT   Journal; Article; (JOURNAL ARTICLE)
     (RESEARCH SUPPORT, U.S. GOV'T, P.H.S.)
LA   English
FS   Priority Journals
EM   200101
ED   Entered STN: 22 Mar 2001
     Last Updated on STN: 20 Apr 2002
     Entered Medline: 4 Jan 2001
AB   Differentiation of the R7 photoreceptor cell is dependent on the Sevenless
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receptor tyrosine kinase, which activates the RAS1/mitogen-activated protein kinase signaling cascade. Kinase suppressor of Ras (KSR) functions genetically downstream of RAS1 in this signal transduction cascade. Expression of dominant-negative KSR (KDN) in the developing eye blocks RAS pathway signaling, prevents R7 cell differentiation, and causes a rough eye phenotype. To identify genes that modulate RAS signaling, we screened for genes that alter RAS1/KSR signaling efficiency when misexpressed. In this screen, we recovered three known genes, Lk6, misshapen, and Akap200. We also identified seven previously undescribed genes; one encodes a novel rel domain member of the NFAT family, and six encode novel proteins. These genes may represent new components of the RAS pathway or components of other signaling pathways that can modulate signaling by RAS. We discuss the utility of gain-of-function screens in identifying new components of signaling pathways in Drosophila.

L2 ANSWER 2 OF 4 EMBASE COPYRIGHT (c) 2009 Elsevier B.V. All rights reserved on STN
AN 2000398081 EMBASE
TI A misexpression screen identifies genes that can modulate RAS1 pathway signaling in Drosophila melanogaster.
AU Huang, A.M.; Rubin, G.M. (correspondence)
CS Howard Hughes Medical Institute, 545 Life Sciences Addition no. 3200, University of California, Berkeley, CA 94720-3200, United States. gerry@fruitfly.BDGP.berkeley.edu
SO Genetics, (2000) Vol. 156, No. 3, pp. 1219-1230.
Refs: 59
ISSN: 0016-6731 CODEN: GENTAE
CY United States
DT Journal; Article
FS 012 Ophthalmology
021 Developmental Biology and Teratology
022 Human Genetics
LA English
SL English
ED Entered STN: 13 Dec 2000
Last Updated on STN: 13 Dec 2000
AB Differentiation of the R7 photoreceptor cell is dependent on the Sevenless receptor tyrosine kinase, which activates the RAS1/mitogen-activated protein kinase signaling cascade. Kinase suppressor of Ras (KSR) functions genetically downstream of RAS1 in this signal transduction cascade. Expression of dominant-negative KSR (KDN) in the developing eye blocks RAS pathway signaling, prevents R7 cell differentiation, and causes a rough eye phenotype. To identify genes that modulate RAS signaling, we screened for genes that alter RAS1/KSR signaling efficiency when misexpressed. In this screen, we recovered three known genes, Lk6, misshapen, and Akap200. We also identified seven previously undescribed genes; one encodes a novel rel domain member of the NFAT family, and six encode novel proteins. These genes may represent new components of the RAS pathway or components of other signaling pathways that can modulate signaling by RAS. We discuss the utility of gain-of-function screens in identifying new components of signaling pathways in Drosophila.

L2 ANSWER 3 OF 4 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
AN 2001:21028 BIOSIS
DN PREV200100021028
TI A misexpression screen identifies genes that can modulate RAS1 pathway signaling in Drosophila melanogaster.
AU Huang, Audrey M.; Rubin, Gerald M. [Reprint author]
CS Howard Hughes Medical Institute, University of California, 545 Life

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gerry@fruitfly.BDGP.berkeley.edu
SO Genetics, (November, 2000) Vol. 156, No. 3, pp. 1219-1230. print.
CODEN: GENTAE. ISSN: 0016-6731.
DT Article
LA English
ED Entered STN: 3 Jan 2001
Last Updated on STN: 12 Feb 2002
AB Differentiation of the R7 photoreceptor cell is dependent on the Sevenless receptor tyrosine kinase, which activates the RAS1/mitogen-activated protein kinase signaling cascade. Kinase suppressor of Ras (KSR) functions genetically downstream of RAS1 in this signal transduction cascade. Expression of dominant-negative KSR (KDN) in the developing eye blocks RAS pathway signaling, prevents R7 cell differentiation, and causes a rough eye phenotype. To identify genes that modulate RAS signaling, we screened for genes that alter RAS1/KSR signaling efficiency when misexpressed. In this screen, we recovered three known genes, Lk6, misshapen, and Akap200. We also identified seven previously undescribed genes; one encodes a novel rel domain member of the NFAT family, and six encode novel proteins. These genes may represent new components of the RAS pathway or components of other signaling pathways that can modulate signaling by RAS. We discuss the utility of gain-of-function screens in identifying new components of signaling pathways in Drosophila.

L2 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2000:850437 CAPLUS
DN 135:176197
TI A misexpression screen identifies genes that can modulate RAS1 pathway signaling in Drosophila melanogaster
AU Huang, Audrey M.; Rubin, Gerald M.
CS Department of Molecular and Cell Biology, University of California, Berkeley, CA, 94720-3200, USA
SO Genetics (2000), 156(3), 1219-1230
CODEN: GENTAE; ISSN: 0016-6731
PB Genetics Society of America
DT Journal
LA English
AB Differentiation of the R7 photoreceptor cell is dependent on the Sevenless receptor tyrosine kinase, which activates the RAS1/mitogen-activated protein kinase signaling cascade. Kinase suppressor of Ras (KSR) functions genetically downstream of RAS1 in this signal transduction cascade. Expression of dominant-neg. KSR (KDN) in the developing eye blocks RAS pathway signaling, prevents R7 cell differentiation, and causes a rough eye phenotype. To identify genes that modulate RAS signaling, we screened for genes that alter RAS1/KSR signaling efficiency when misexpressed. In this screen, we recovered three known genes, Lk6, misshapen, and Akap200. We also identified seven previously underscribed genes; one encodes a novel rel domain member of the NFAT family, and six encode novel proteins. These genes may represent new components of the RAS pathway or components of other signaling pathways that can modulate signaling by RAS. We discuss the utility of gain-of-function screens in identifying new components of signaling pathways in Drosophila.
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